

FIGURE 1

BEST AVAILABLE COPY

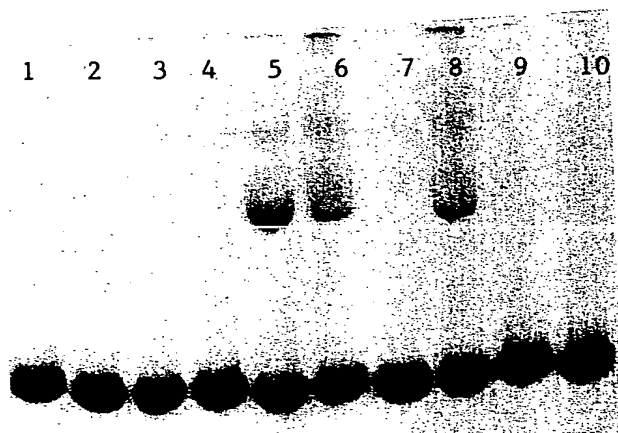


Figure 2

BEST AVAILABLE COPY

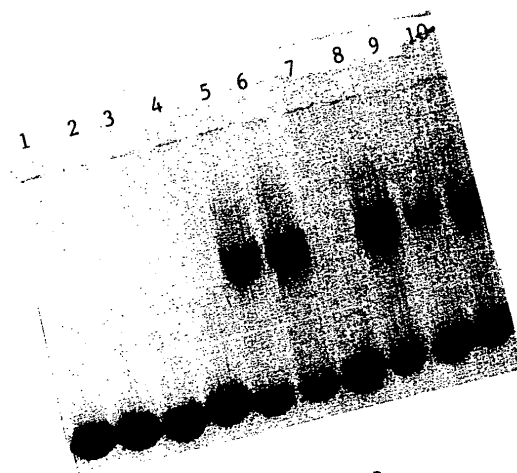


Figure 3

BEST AVAILABLE COPY

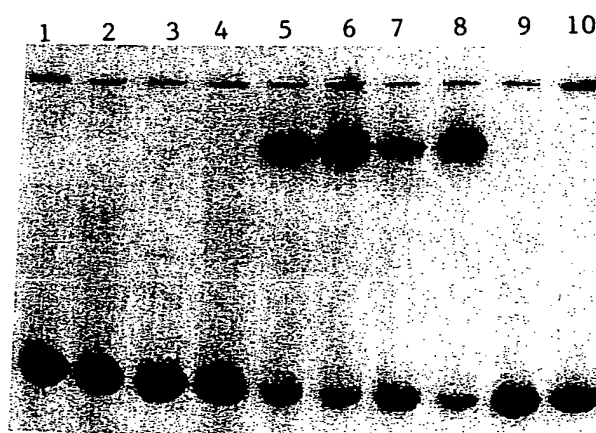


Figure 4

BEST AVAILABLE COPY

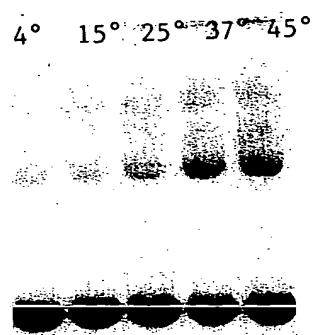


Figure 5

BEST AVAILABLE COPY

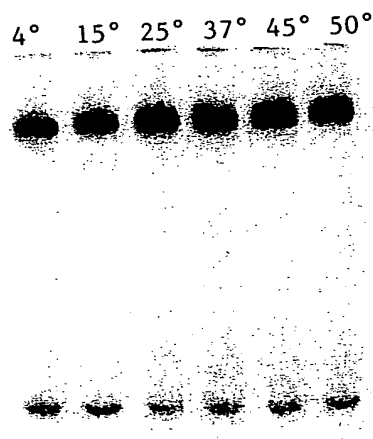


Figure 6

BEST AVAILABLE COPY

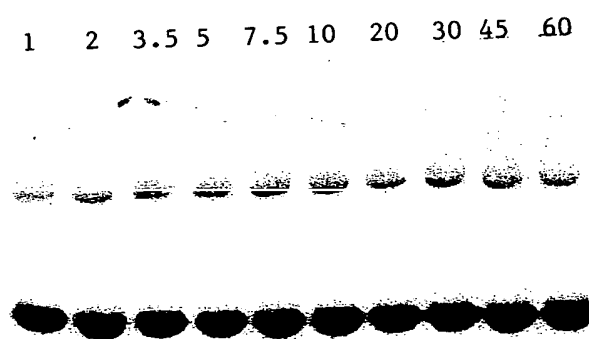


Figure 7

BEST AVAILABLE COPY

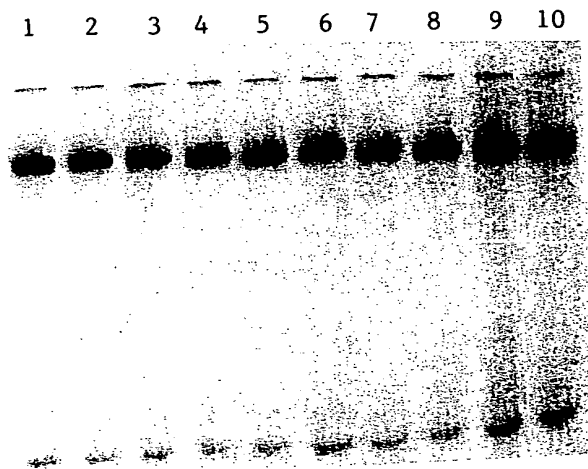


Figure 8

BEST AVAILABLE COPY

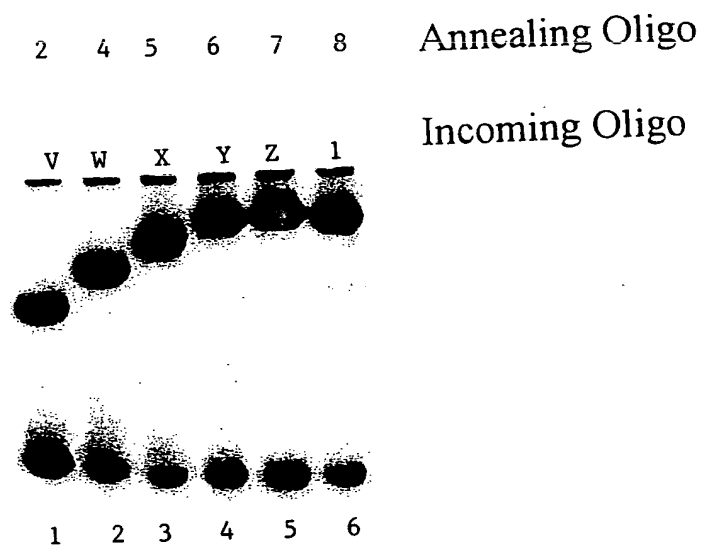


Figure 9

BEST AVAILABLE COPY

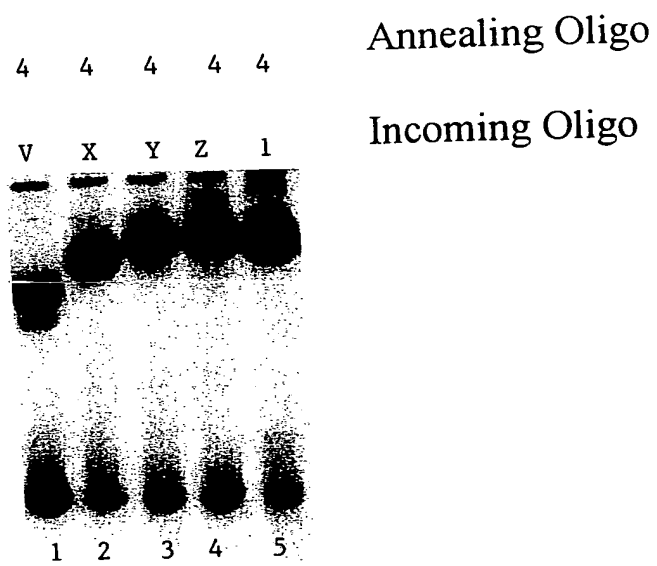


Figure 10

BEST AVAILABLE COPY

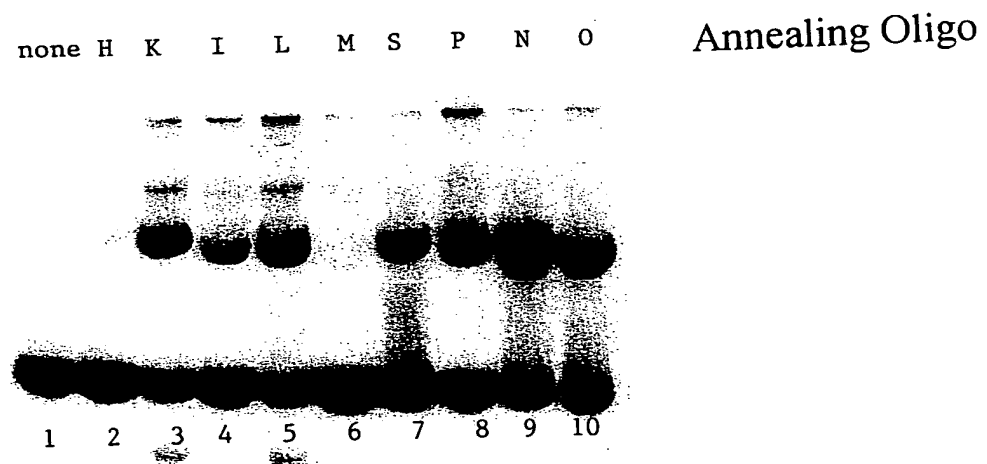


Figure 11

BEST AVAILABLE COPY

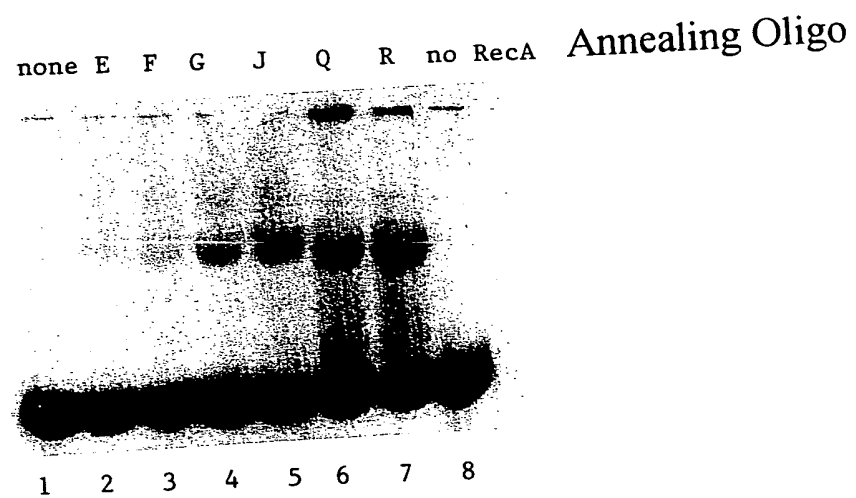


Figure 12

Oligonucleotide Sequence of the Kan^r Target

```
1  CAGGGGATCA AGATCTGATC AAGAGACAGG ATGAGGATCG TTTCGCATGA
51  TTGAACAAGA TGGATTGCAC GCAGGTTCTC CGGCCGCTTG GGTGGAGAGG
101 CTATTCGGCT ATGACTGGGC ACAACAGACA ATCGGCTGCT CTGATGCCGC
151 CGTGTTCCGG CTGTCAGCGC AGGGGCGCCC GGTTCTTTTT GTCAAGACCG
201 ACCTGTCCGG TGCCCTGAAT GAACTGCAGG ACGAGGCAGC GCGGCTATCG
251 TGGCTGGCCA CGACGGGCGT TCCTTGCGCA GCTGTGCTCG ACGTTGTCAC
301 TGAAGC
```

FIGURE 13

Effect of Annealing Oligo on Targeting Efficiency

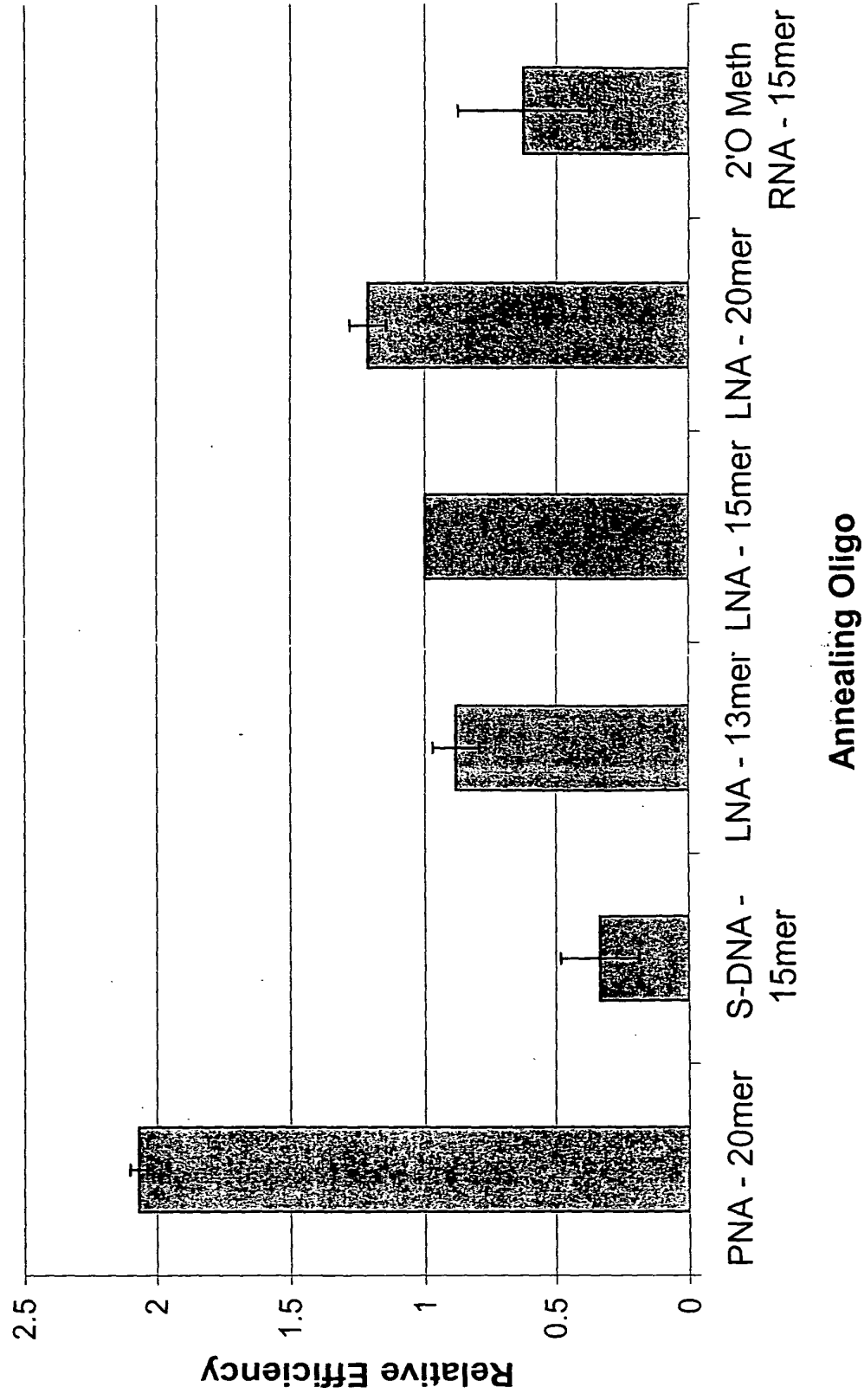


FIGURE 14

Oligonucleotide Sequence of the Hyg^r Target

```
1  cgctgagata ggtgcctcac tgattaagca ttggtaactg tcagaccaag
51  tttactcata tataactttag attgatttaa aacttcattt ttaatttaaa
101 aggatctagg tgaagatcct ttttgataat ctcatgacca aaatccctta
151 acgtgagttt tcgttcact gagcgtcaga ccccgtagaa aagatcaaag
201 gatcttcttg agatcctttt tttctgcgcg taatctgctg cttgcaaaca
251 aaaaaaccac cgctaccagc ggtggtttgt ttgccggatc aagagctacc
301 aactcttttt ccgaaggtaa ctggcttcag cagagcgcag ataccaaata
351 ctgtccttct agtgtagccg tagttaggcc accacttcaa gaactctgta
401 gcaccgccta catacctcgc tctgctaata ctgttaccag tggctgctgc
451 cagtggcgat aagtcgtgtc ttaccggg
```

FIGURE 15

Effect of Annealing oligo on dD-loop formation in Hyg(rep)

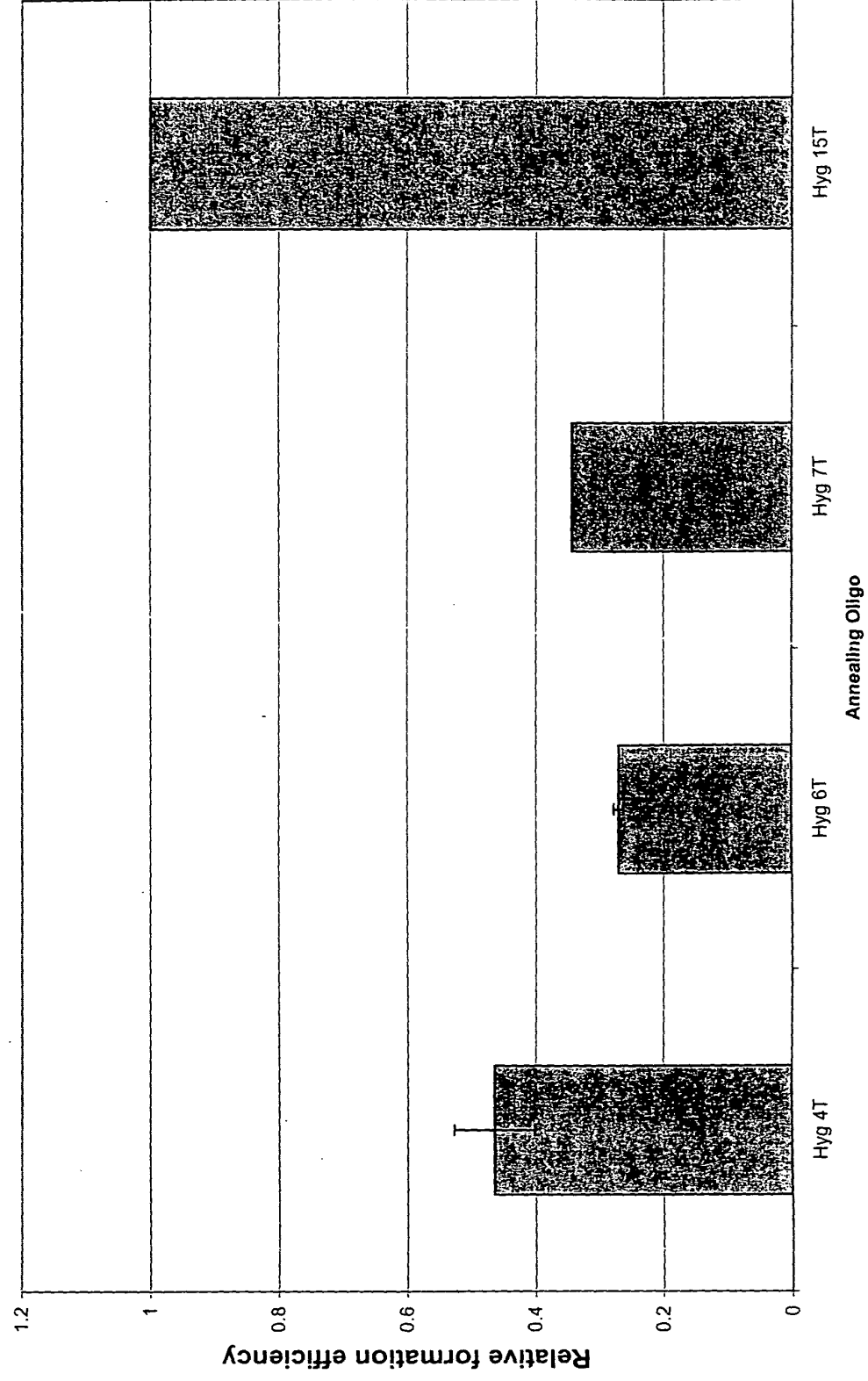


FIGURE 16

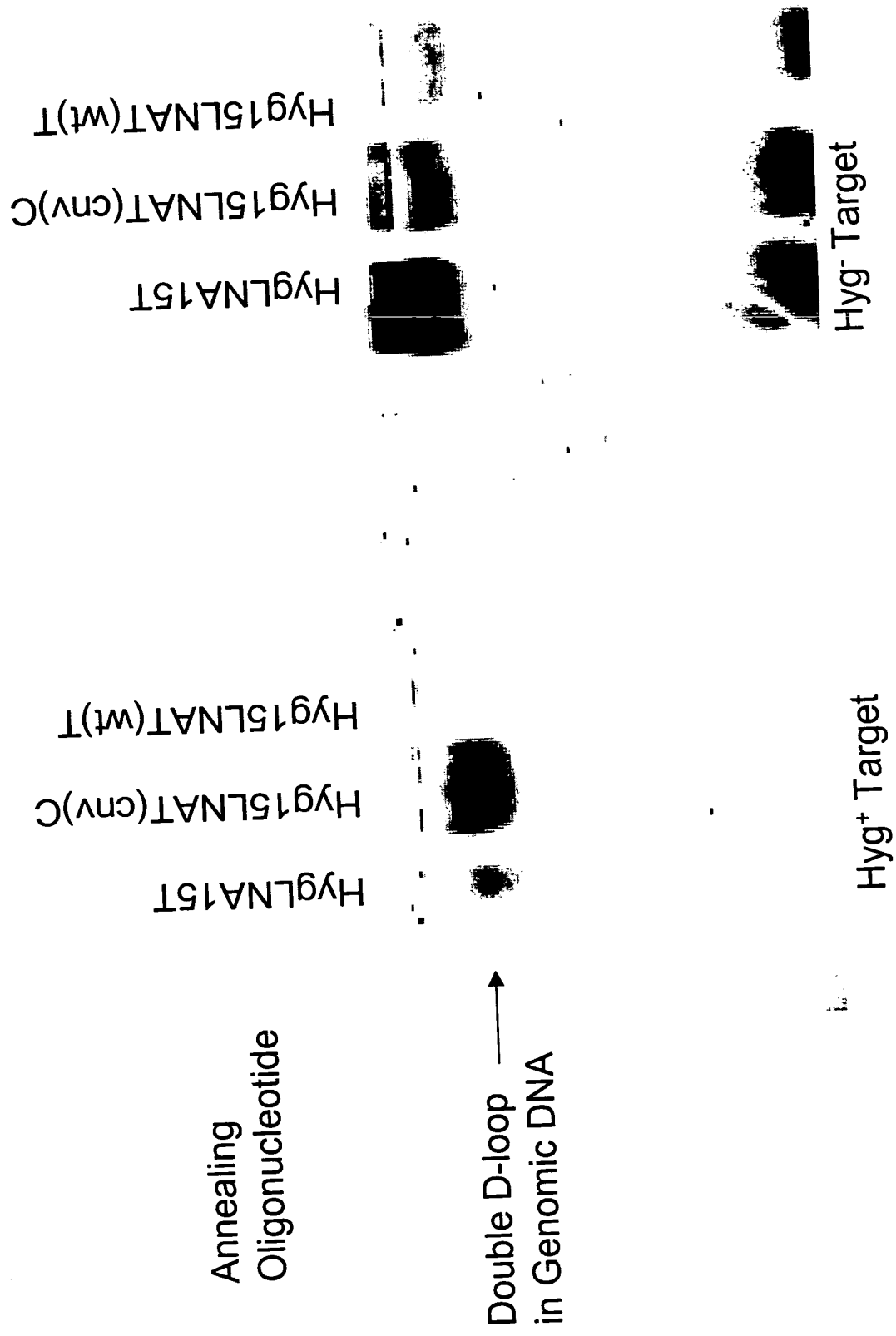


FIGURE 17